National Snow and Ice Data Center

Supporting Cryospheric Research Since 1976

Libre: Freeing your data - Free to share, discover, and use

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What if....

Finding data and services that worked on that data that matched your interests was as easy as subscribing to the news?

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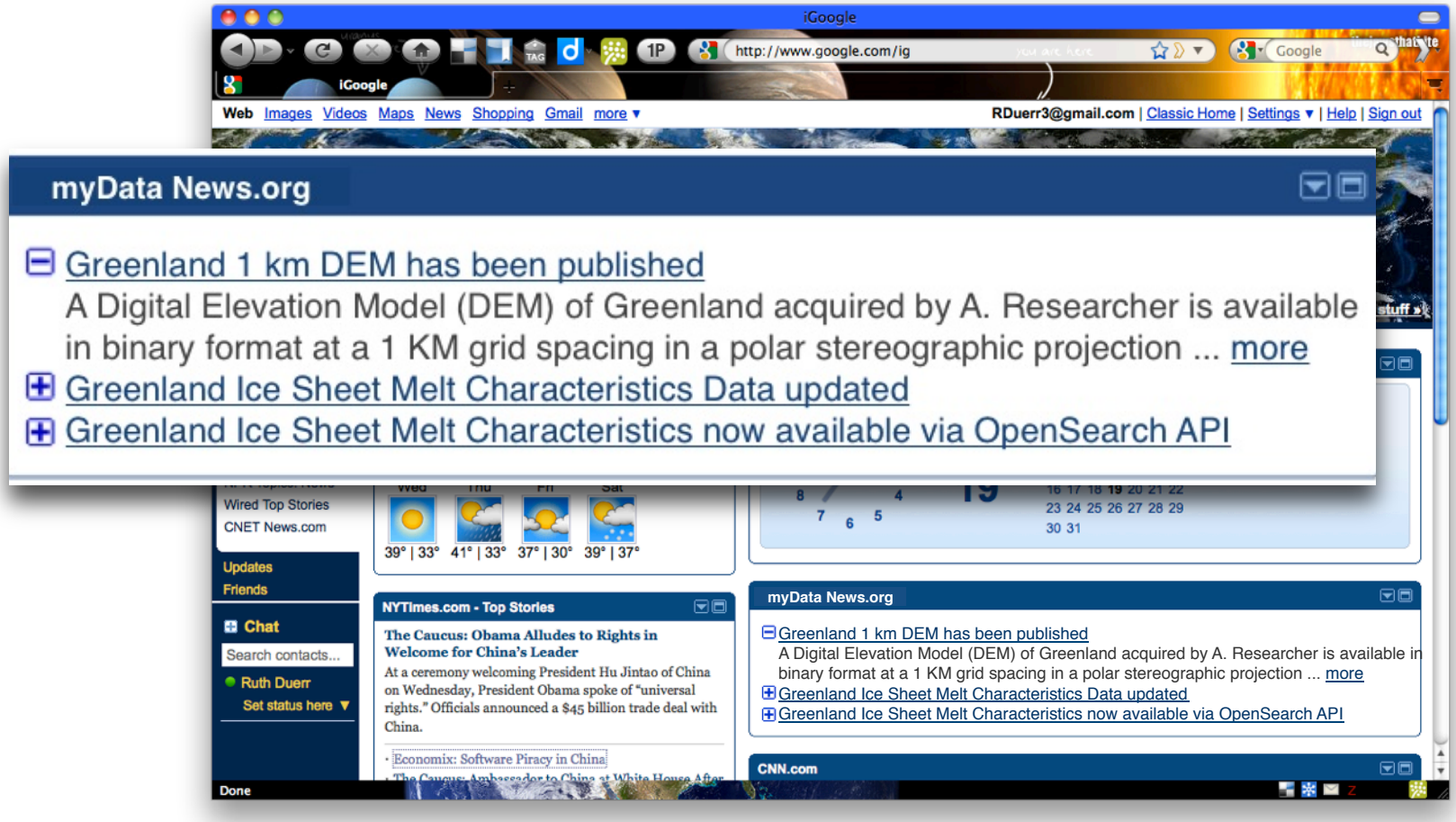

What would it take to make that happen?

- Simple mechanisms to advertise data and services
- Tailored aggregators looking for ads
- Aggregation-based news services and portals that allow user subscriptions

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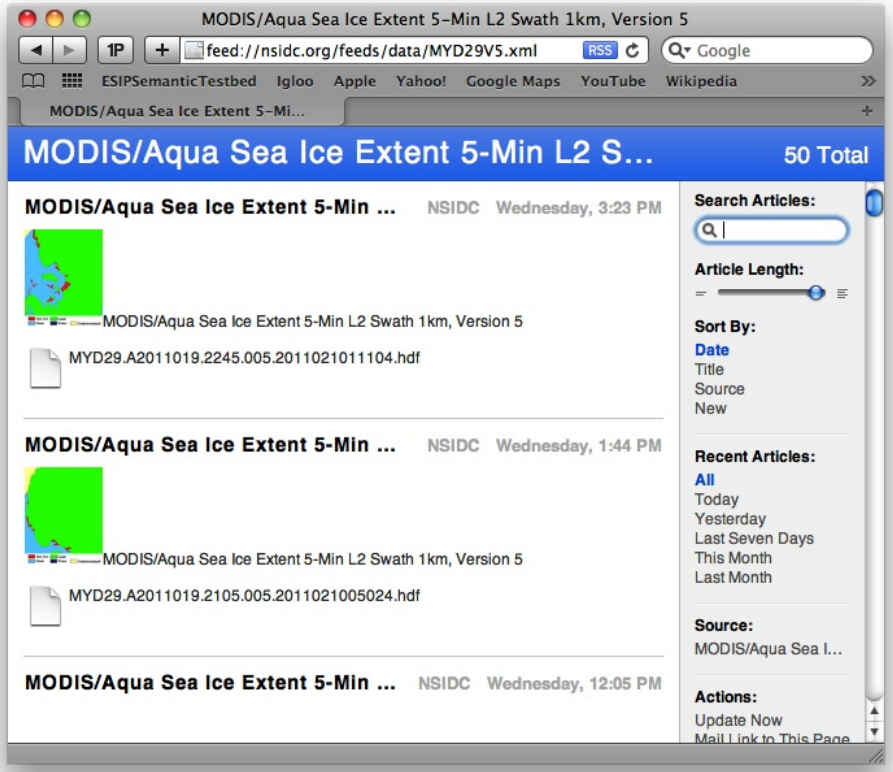
Libre is working on all of these things!

Libre - Advertising Support through Casting

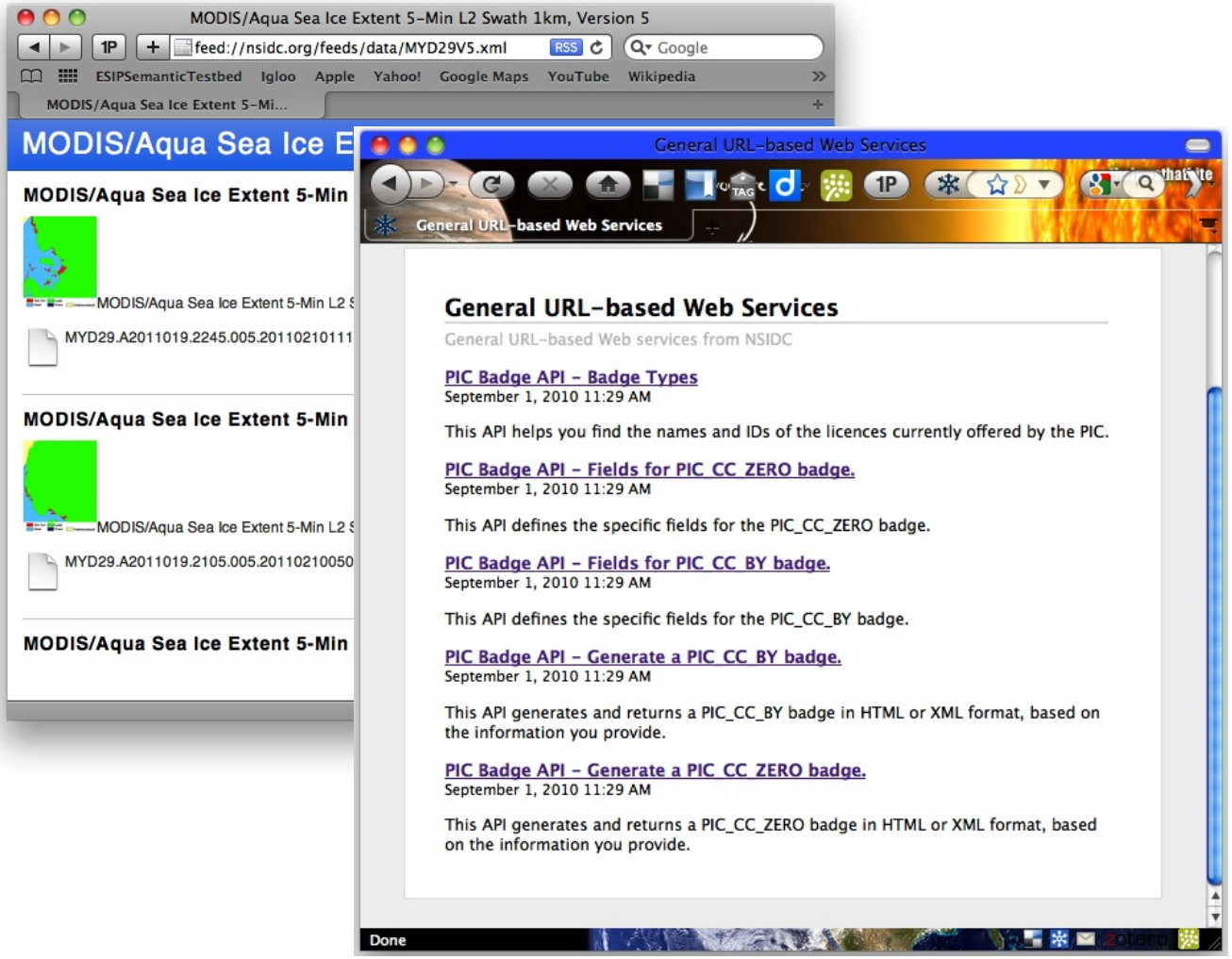
- Casting is the dissemination of news through subscription-based syndication formats
- Uses Atom, RSS, or any other syndication format
- Entries contain enough information
  - For subscribers to access the service or data
  - To populate search indexes
- Cast feeds can include:
  - Lists of available data collections
  - Lists of files available for download
  - Lists of services (OPeNDAP, OGC, WMS, etc.)

Libre - Advertising Support through Casting



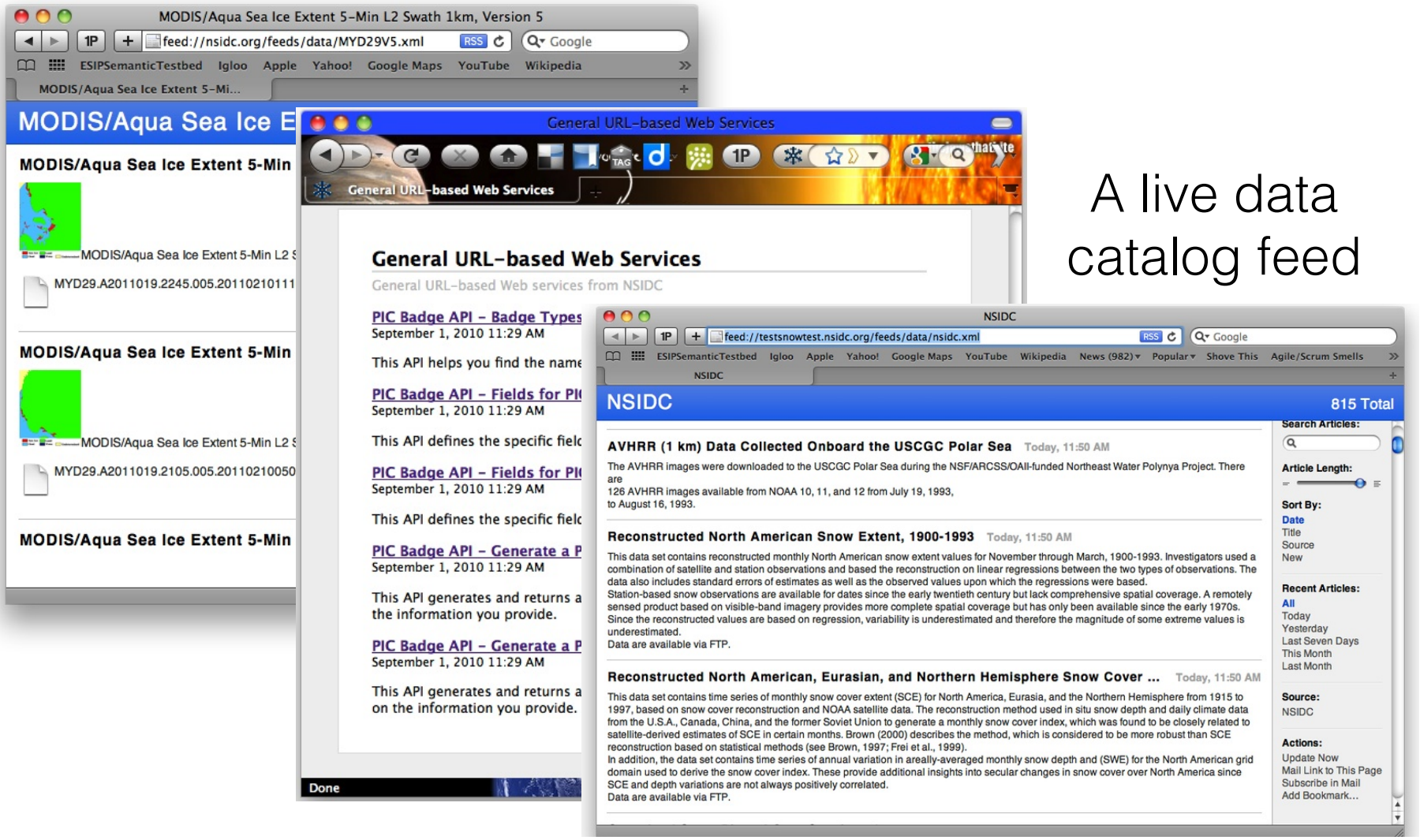
A live data file cast feed

Libre - Advertising Support through Casting



A live service cast feed

Libre - Advertising Support through Casting



A live data catalog feed

Libre - Advertising Support

- Things that are easy
  - Casting all of NSIDC's data sets
  - Casting some of NISDC's data granules
  - Casting NSIDC services
  - Working with groups like ESIP to get others to cast their data and services
- Things that are hard
  - Convincing regular scientists to cast their data

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Advertising your data so that everyone could find them, were as simple as...

1 - Filling out a web form
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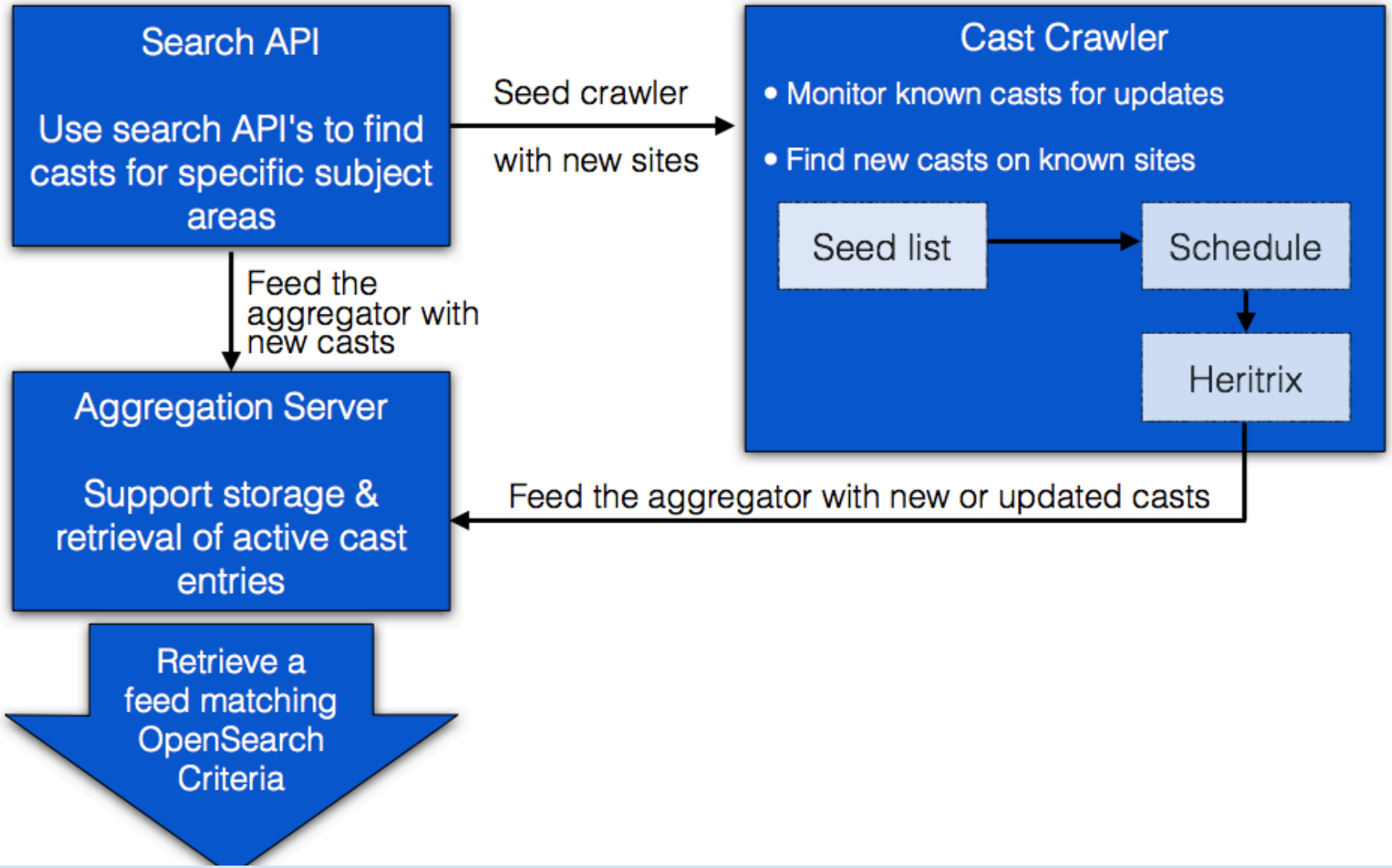
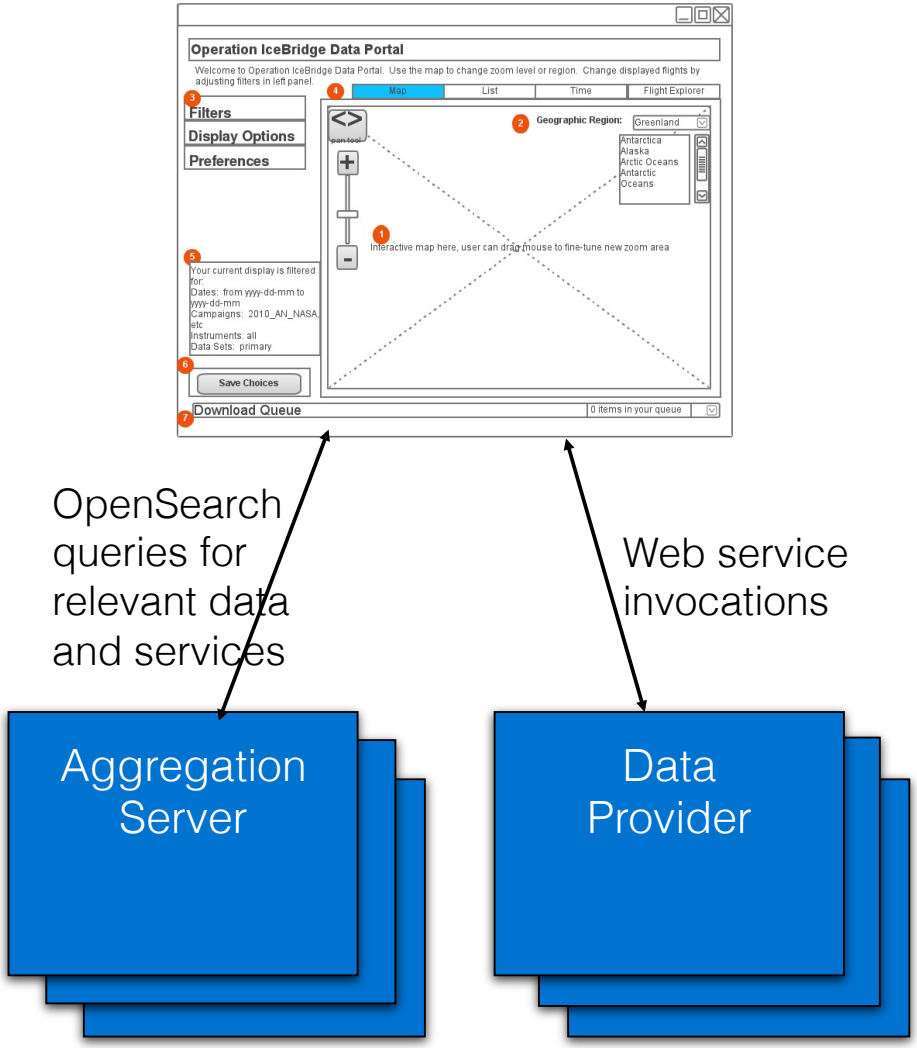
Well... It can be!

Libre - Aggregation Support



Libre - Portal Support

- In conjunction with NSIDC's IceBridge Project, Libre is developing a portal that will demonstrate the power of these technologies
- OpenSearch will be used to discover relevant data and services which will then be used in providing portal discovery, subscription, access, and visualization capabilities.



Questions?